

Montana and the sky

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PERIODICALS

Department of Transportation - Aeronautics Division

Vol. 44 No. 7

July 1993

Yellowstone Airport: Ready to Serve

By: Jerry Burrows, Chief
Airport/Airways Bureau

JUL 30 1993

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

The airport officially opened June 1 with SkyWest Airlines providing airline service to Salt Lake City. Avis, National and Budget Rent-A-Car agencies are in operation with a large inventory of cars for your use to visit Yellowstone National Park, etc.

Yellowstone Aviation (FBO) provides fuel, tie downs, etc. for your aircraft. The airport depicted with this article, can handle anything from a single seat homebuilt to a C5A military transport. We're sure you'll fit in somewhere.

Our airport cafe can now serve beer and wine with the meals, so be sure to stop in when visiting the airport. The cafe has a great Mexican menu.

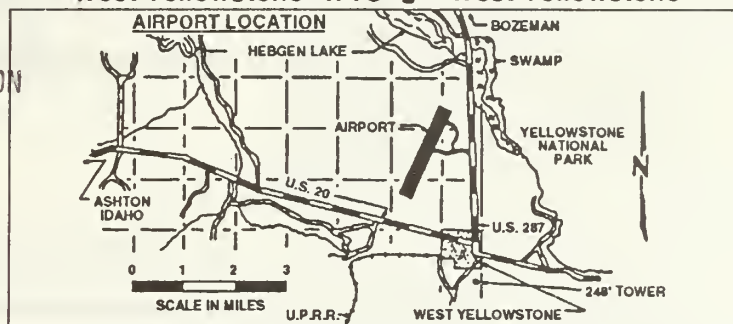
We have recently completed overlaying the north general aviation ramp, so plenty of parking is available. Available next to the ramp is our free pilot campground featuring running water, fireplaces, picnic tables and believe it or not a hot shower facility. Free firewood provided for campfires — not the shower which is propane.

A big Fly-in is scheduled for the Labor Day weekend, Sept. 3-6, 1993. A density altitude clinic and pilot safety seminars will be part of the program with FAA and Aeronautics instructors. Tours through the Interagency Fire Control Center base, smokejumpers, is planned along with other activities. Special meals, etc. More later. Please call us in Helena at (406) 444-2506 about the fly-in or call the airport (406) 646-7631 about airport facilities, camping, motels, etc.

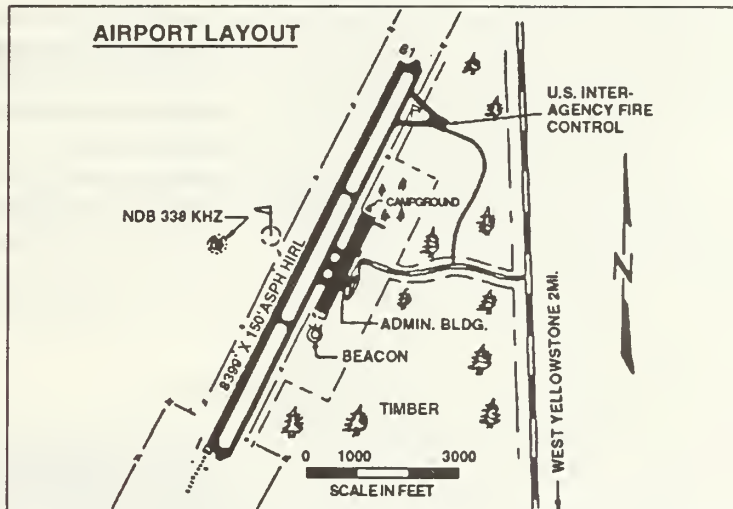
Other phone numbers that may help: Skywest Airlines 646-7351; Yellowstone Aviation 646-7359; National Rent-A-Car 646-7670; Budget Rent-A-Car 646-7735; Avis Rent-A-Car 646-7625; Airport Cafe 646-9533.

See you at the Yellowstone Airport.

West Yellowstone WYS West Yellowstone



AIRPORT LAYOUT



Elevation: 6644'

Lighted: 1/19 (RC) & Beacon
Key 122.8 3, 5 or 7 times for
Rwy lights. MALS & REIL

Fuel: 100, Jet, Al+

Repairs: None

Services: Rental cars, taxi,
meals on field, lodging 2 mi.

Manager: MT Aeronautics Div.

Phone: 646-7631

Owner: State of Montana

FSS: 1-800-WX-BRIEF

Location: 44-41.3

111-07.1W

Radio: Unicom 122.8 RCO to
Idaho Falls FSS 122.45

SLC APP CON 132.4

Nav. Aids: EYS, NDB 338

Rwy 1 — ILS 110.7

MALSR (RC)

LOH 415

Rwy 19 — VASI

REIL (RC)

Remarks: Airport attended June
1 to Sept. 30. No snow re-
moval. Free pilot campground
on airport

PLEASE RETURN

Administrator's Column

Good News for GA: The Senate Energy and Natural Resources Committee approved the package of commercial user fees for the national parks, however, exempted the fees for commercial air sightseeing operators using the airspace above national parks.

The original proposal before the Committee would have imposed a fee of \$25 per airplane with a passenger capacity of 25 or less and \$50 for an airplane with over 25 passenger seats.

A coalition of about a dozen aviation associations lobbied against the proposed fees stating they were inappropriate as air tour activities do not impose any burden or maintenance on the parks infrastructure and receive no services from the National Park Service. Additionally, the coalition expressed that the use of airspace is in the jurisdiction of the Department of Transportation/Federal Aviation Administration and not the National Park Service.

Additionally, that the users of airspace in the U.S. have never been charged for airspace.



GA Safety Report: The AOPA Air Safety Foundation's Joseph Nall report cites weather as the main cause of general aviation accidents in 1992.

The leading factor in these accidents is still visual flight into instrument conditions. Over 44% of all serious accidents involved continued VFR flight into instrument conditions.

The report points out that only one flight in 100,000 is involved in any type of mishap and that general aviation remains a safe form of transportation.

You can get a free copy of the Joseph Nall report by writing to the AOPA Air Safety Foundation, 421 Aviation Way, Frederick, MD 21701 and enclosed a 6" x 9" self-addressed stamped (52¢) envelope.



More Good News: The Senate Finance Committee passed a tax package which does NOT include any fees specific to general aviation.

The House version did include fees which would have been devastating to general aviation such as fees for annual aircraft registration, aircraft title transfer, airmen certificates, medical examiners, written exams and more.

According to the Aircraft Owners and Pilots Association (AOPA), senators being credited for wiping out the aviation fees are Daschle (SD), Conrad (ND) and Max Baucus of Montana.

Also helpful in this effort were Senators Dole (KS) and Wallop (WY) who were opposed to the entire tax package include the aviation fees.

Thousands of pilots and aircraft owners from across the country flooded their Senators with letters of opposition. I know you all join me in thanking Senator Max Baucus for his support by responding to your letters and phone calls by actively opposing this proposed legislation.



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Marv Dye, Director

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A Tribute to Wallace W. Taylor

Montana aviators will sadly miss a long-time friend and aviation supporter, Wally Taylor of Spokane, who courageously fought a losing battle with cancer and passed away last month. A recreational pilot for more than 16 years, he was a member of many state pilot associations in the Northwest, including the Montana Pilots Association, and was a board member of the Washington Pilots Association. He was a former vice-president of the East Side- Washington Pilots Association and three year Director for the Inland Empire Chapter.

Wally enjoyed attending Montana aviation events and was a familiar face at the Montana Aviation Conference, family fly-ins, wilderness airstrip meetings, etc.

Wally is survived by his wife Katie and six children.

CAP Cadet Accepted to Academy Prep School

By: Debbie Alke
Administrative Officer

Cadet Stacy Turcotte, a recent graduate of Billings Skyview High School, has accepted an appointment to the United States Air Force Academy Preparatory School in Colorado Springs. She joined the Civil Air Patrol in September of 1991 and has been one of the three top achieving cadets over the last two years.

Cadet Turcotte held the position of flight sergeant and served as a member of the Montana Wing Cadet Drill Team in 1992 at the regional competition. She was decorated with the Commander's Commendation Award for her outstanding performance on and dedication to the drill team. She recently completed the requirements for the General Billy Mitchell Award and was promoted to the rank of cadet flight officer. Cadet Turcotte has earned the solo pilot badge from CAP as a student pilot through Lynch Flying Service.

Approximately 70% of all preparatory school cadets which complete the one year program will receive an appointment to the United States Air Force Academy. The cadet deputy commander, Captain Steven Heffel is very proud of Cadet Turcotte and is confident in her ability to earn an academy appointment.

New Addition

By: Mike Rogan
Aviation Support Officer

Clayton Wilhelm has joined the staff of the Montana Aeronautics Division. Clayton is our new airplane mechanic and airport maintenance technician. Clayton comes to us with many years of experience working on small aircraft. Clayton will be taking care of the Division's plant maintenance, vehicles, aircraft and state-owned airports.

If you see the state tractor out mowing an airport stop and say "hi" to Clayton.



Calendar

July 7 - 11 — NW EAA Fly-in, Arlington.

July 12 - 17 — Just Plane Fun! Aviation Camp. Rocky Mountain College, Billings. Grades 7-11. Call Erik Anderson 259-5294 or John Cech 657-1040.

July 23 — Aeronautics Board Meeting, Yellowstone Airport.

July 16 - 18 — Schafer Meadows Work Session.

July 26 - 31 — Region 8 Soaring Championships, Livingston. Call Steve Ard 388-6887.

July 29 - August 4 — 41st Annual EAA Fly-in Convention, Oshkosh, WI.

August 5 - 8 — MAAA Fly-in, Three Forks.

August 7 — Sheridan County Airport Annual Fly-in. Breakfast served. Safety seminar (wings program) at noon. Sheridan, WY.

August 15 — Fly-in, drive-in breakfast at Beacon Star Antique Airfield 8:00am - 11:00am. Poorboy sourdough pancakes, sausage and eggs.

August 18 - 20 — INAC Convention '93, Helena.

August 28 — Montana Air Show '93, Glacier Park International Airport.

August 28 - 29 — Malmstrom Air Force Base Big Sky Days, featuring the Blue Angels, Great Falls. Call USAF Public Affairs at 731-4050.

Sept. 3 - 6 — Fly-in, Yellowstone Airport, West Yellowstone.

Sept. 12 — Townsend Airport dedication beginning 8 am.. Contact Bob Banks 266-4208.

Sept. 17 - 19 — Mountain Search Pilot Clinic, Kalispell.

Sept. 17 - 19 — Reno Air Races.

Sept. 18 — Tobacco Valley Fly-in, Eureka. Call Marita Combs 889-3833.

Sept. 18, 19 — Second Annual Columbus Day Parade of Flight and Mountain Man Rendezvous.

Sept. 25 - 26 — Dillon Hangar MPA Fly-in. Dance and breakfast. Contact Jim Pannell at 683-2061.

Feb. 4 - 6, 1994 — Flight Instructor Refresher Clinic, Helena.

Reflections on '93 Antique Airplane Tour

By: Mike Ferguson
Administrator

The Montana Antique Airplane Associations' annual antique airplane tour took place June 16-20.

I was fortunate enough to be able to borrow a 1946 Ercoupe from Brenda Spivey and joined the air tour. The weather started to cooperate Wednesday afternoon and about a dozen antique airplanes arrived in Valier that evening as planned.

The next morning the weather was beautiful throughout the state and many more airplanes joined up at the first stop in Choteau with more in Conrad and by that evening in Cut Bank most everyone planning to join the tour had arrived.

At each stop the group was greeted with coffee, pop, and donuts or a lunch. At Conrad, Percy Aviation Insurance hosted the lunch which was prepared by Karen and Roy Hollandsworth and Dick McAdams.

At Cut Bank we were treated to a great dinner which Cut Bank Aviation (Armie, Kay and Swede Lindburg) had arranged. The next morning the Lindburg's hosted a nice continental breakfast and we were off to Shelby where coffee and donuts were hosted by Larson Flying Service.

Then on to Chester where Joel Fenger of Frontier Aviation hosted us to more coffee and donuts. Boy were we getting full of coffee and donuts!! But we really did appreciate it.

We then flew to Fort Benton where Rodger Fultz and his family sponsored a lunch and then

took us all into town to visit their wonderful museum. I had a mag problem and while I worked on the mag the group flew on to Big Sandy where Bill Sheets and Wayne Turner hosted refreshments. Next they flew on to Havre where refreshments were furnished by Hensley Flying Service.

Then it was on to Chinook where I caught up to the pack - actually Bud "Lindy" Lindemer stayed back with me as he was having a minor problem with his voltage regulator. Anyway, it all worked out fine as I got to see something really neat - a Stagger Wing Beech flying formation with an Ercoupe. TRUE!! That evening I again worked on the mag and was lucky enough that Ed Obie had the part I needed so everything worked out great.

The Chinook folks were having their airport reconstruction and renaming dedication the next morning (Saturday) so they had arranged a buffet dinner and dance at the Eagles Club which was well attended by the local people as well as the Antiquers.

Saturday morning the weather was beautiful and the Northcentral MPA Hangar sponsored a delicious pancake breakfast.

Following breakfast the colorful airport dedication ceremonies began and at times were emotional as the airport was renamed in memory of Edgar G. Obie who was tragically killed in a freak accident last winter. Ed Obie was the Chinook airport manager for many years and served as Mayor for 11 years. Ed was responsible for the beautiful airport project which was only completed

late last fall. During the ceremonies two of Edgar's WWII fighter pilot buddies presented Dorothy Obie with a Citation for Belgian Fourragere (See photos).

The group then flew to Zortman where we were picked up and transported into town by Pegasus Mine people where we enjoyed a nice buffet lunch.

We then flew to Winifred where we were treated to refreshments by the local pilots and after several refueled we flew on to Geraldine where again we were treated to refreshments compliments of C & R Air Spray, Inc.

We then flew to Stanford where Mike and Connie Biggerstaff treated us to refreshments and wonderful "goodies" which were baked by Mike's friend Mrs. Rowland.

We then flew to Frank Bass's Beacon Star Antique Airfield where we finally got to just relax and enjoyed a great barbecue dinner prepared by Frank with the help of his friend Sherril.

After dinner a critique meeting was held and everyone felt that the '93 air tour came off beautifully thanks to all of the work of tour organizers Frank Bass and Lanny Hanson. Sunday morning Frank prepared a great pancake breakfast and everyone departed for home.

In closing, I not only reflect back on how I enjoyed the well-planned tour and the great camaraderie but probably most of all the enthusiasm displayed by the wonderful people, especially the children who came out at each of our stops to see the antique airplanes and visit with the pilots.



Dorothy Obie accepts the notorious service 'Citation for Belgian Fourragere' from John Lightwine and Tom Glenn, friends and comrades of Eds during World War II. The three were members of the famous 36 Fighter Group who flew the renowned P-47 Thunderbolts.



The Obie family from left to right include Gail, Ed Jr., Dorothy, Larry and Loretta.



Vern Ulrich of Kalispell joined the tour in his completely restored 1946 Ercoupe 415-D.



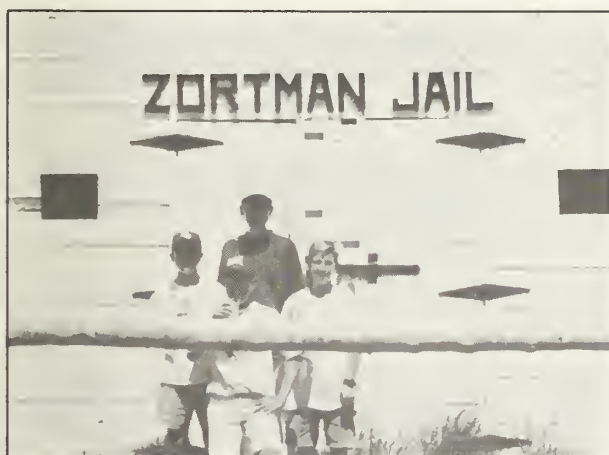
At Conrad, Dick McAdams, Frank Bass, Roy and Karen Hollandsworth, Lanny Hanson and Darlene and Ray Sanders enjoy lunch which was provided by Percy Aviation Insurance.



At Cut Bank, the good life is enjoyed by Don Pantone and Ralph Baughman who came from Ogden, Utah to take part in the fun.



Joel Fenger and Mike Ferguson enjoy the chance to visit at the antiquers stop in Chester.



After checking out the Zortman Jail, these kiddos were on their best behavior!



These happy guys share stories and a smile at the hospitality hour held in Chinook.

Montana Coyote Update

By: Debbie Alke
Administrative Officer

Most pilots dream of owning an airplane which can take off and land just about anywhere, from an international airport to a remote high mountain meadow near their favorite fishing spot.

In the past, aircraft capable of this performance was very expensive to own and maintain, that is until the Montana Coyote came along.

The Montana Coyote with it's large cabin area (47" wide) can seat two full sized adults comfortably.

Baggage (160 lbs) can be stored in the 30 cu. ft. cargo area that is 4' long. The two 20 gallon wing tanks will give you better than 5 hours of range, at 100 mph.

The Montana Coyote earned the Final Grade of "B" in the 1993 US Aviator Picks 100 Best Affordable Aircraft Kits "Best of the Breed" affordable flyers list.

Montana Coyote offers a Builders School Program. You are invited to spend



two weeks at the factory while assembling critical components of your kit.

There will be hands on help available to assist you.

Montana Coyote is managed by J.R. Sims. Jim Stuart, an Anaconda native, is the new Business Manager. Jim has been with

the company since March 1992. Ken Probst will concentrate on research, development and production of the Coyote.

For more information contact Montana Coyote at 406-449-3556 or stop by and visit its facility at the Helena Regional Airport at 3302 Airport Rd.

Terminal Forecast Changes

By: Robert Sims
National Weather Service

By the time you read this article, you may have noticed a change in the way terminal forecasts are produced. This is especially true if you gather your own weather information.

On June 21, 1993 the National Weather Service (NWS) began a terminal forecast improvement procedure. These changes have been implemented to help you, the users, pilots, briefers, etc. Here is the nuts and bolts of the changes:

1. During the first three hours of any terminal forecast, the ONLY conditional remark that will be used is OCNL. OCNL is defined as "the condition has a greater than 50% probability of occurring and will occur less than 1/2 the forecast period." We, as forecasters, will be giving you, the user, our best forecast without a lot of conditional terms.
2. The way the FT is prepared is also changed in order for the user to quickly and more accurately find the forecast for the time frame you are interested in. Each forecast segment will begin on a new line and indented 4 spaces.

Example:

GTF 081818 C50 BKN 2315625 OCNL C25 OVC 5RW-.
2330Z CFP C25 OVC 3 SW- 3615.
03Z C10 OVC 35' 3615625 CHC C6 OVC 1/2S.
06Z C6 OVC 1S-F 3612.
13Z LIFR S.

There are also some internal changes that we have adopted as to when we will amend forecasts. These should remain transparent to you, the user.

You may see more VCNTY remarks such as...RW VCNTY...CB VCNTY. Be aware that VCNTY covers the area away from the airport, i.e., between 5 and 25 miles of the runways.

If you have an opinion on these changes, please let the National Weather Service know.

You may call me, personally, 406- 453-2081, or write to: Weather Service Forecast Office, ATTN: Bob Sims, 2800 Terminal Drive, Great Falls, MT 59404-5501.

Radio Techniques

With the advent of FSS consolidation and subsequent FSS closings, the Great Falls AFSS has assumed control of remote frequency sites. This has resulted in many frequency changes. Please refer to the map below for all frequencies now remotored to GTF FSS.

During periods of high radio activity, we must all work together. Listed below are some "helpful hints" for better service.

1. During the initial radio call, provide your full aircraft identification, location and frequency.
2. Wait a reasonable period of time for a reply.
3. Proceed with your message or request. If you wish to file a flight plan, advise us and wait for a reply.

Example:

"Great Falls Radio, Cherokee 1234D over Butte on 122.2"

"Cherokee 1234D, Great Falls Radio, go ahead"

"Cherokee 34D, (your message or request)"

To receive additional assistance, a student pilot need only identify him or herself as a student pilot during his or her initial call to an FAA radio facility.

Airport Advisory Frequencies

Bozeman BZN 123.65
Butte BTM 123.60

AWOS/ASOS

Automated weather reporting systems are increasingly being installed at airports throughout Montana. In addition to the FAA's Automated Weather Observing Systems (AWOS) program, the National Weather Service will be commissioning numerous Automated Surface Observing Systems (ASOS) during the next couple years. These systems consist of various sensors, a processor, a computer generated voice subsystem, and a transmitter to broadcast local, minute-by-minute weather data directly to the pilot. In locations where there was a previous FSS, the AWOS is augmented by certified weather observers. For more information on the AWOS/ASOS programs, contact the Great Falls AFSS or consult the AIM.

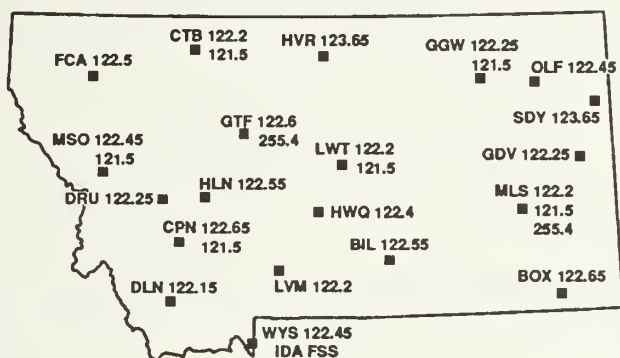
AWOS/ASOS Telephone Numbers and Frequencies

Baker	3U6	ASOS	778-5538	TEST ONLY
Cut Bank	CTB	AWOS	873-5418	135.075 mhz
Dillon	DLN	ASOS	683-5470	TEST ONLY
Glendive	GDV	AWOS	687-3346	410 khz
Great Falls	GTF	ASOS	452-9844	TEST ONLY
Helena	HLN	ASOS	443-4317	TEST ONLY
Kalispell	FCA	ASOS	756-8879	TEST ONLY
Lewistown	LWT	AWOS	583-5120	135.075 mhz
Sidney	SDY	AWOS	482-7323	359 khz
Wolf Point	OLF	ASOS	653-3865	TEST ONLY

Direction Finder Service

Direction Finder (DF) receivers are located at Cut Bank, Glasgow, Lewistown and Miles City. There are no DF approaches in Montana. GTF AFSS can only provide "cross-fixing" to determine our location or a "steer" to track inbound to one of the four airports listed above.

Pilots are encouraged to use the DF service anytime they need assistance. We also welcome practice DF "steers" at anytime, workload permitting.



Navigational Aids

By: Mike Rogan
Aviation Support Officer

The Aeronautics Division owns and operates 25 non-directional beacons (NDBs) across the state. Nine of these NDBs have an instrument approach associated with them.

We work with local communities on selecting the best sites for these NDBs. Once a locations is selected then comes the long paperwork process with the FAA and FCC, but eventually it all comes together and the airport has a reasonable inexpensive and reliable navigational aid.

Below is a list of all the state owned NDBs with their frequencies and identifiers. During your flights across Montana tune them in and let us know how they are working.

Location	Freq.	Ident.
Baker	344 khz	BKU
Broadus	335 khz	BDX
Chester	323 khz	LTU
*Choteau	269 khz	CHX
Circle	245 khz	CRR
*Conrad	293 khz	CRD
Eureka	392 khz	EIR
*Forsythe	236 khz	FOR
*Glasgow	339 khz	MKR
*Glendive	410 khz	GDV
Hamilton	410 khz	HMM
Harlowton	242 khz	HWQ
*Havre	389 khz	LDS
Jordan	263 khz	JDN
Libby	414 khz	LYI
Malta	272 khz	MLK
Plentywood	251 khz	PWD
Polson	275 khz	PLS
Red Lodge	203 khz	RED
Roundup	362 khz	RPX
Scobey	283 khz	SCO
*Shelby	347 khz	SBX
*Sidney	359 khz	SDY
W. Yellowstone	338 khz	ESY
*Wolf Point	404 khz	OLF

*denotes instrument approach

FAA Issues Certificates

Seaplane

Philip Vittetoe Helena

Single Engine Land

Stephen Kniffen Great Falls

Flight Engineer

David Millos Billings

Private

Arnold Anderson	Livingston
Mark Blomquist	Gardiner
Gary Brewer	Victor
James Randall	Missoula
William Vanalstine	Bozeman
Jan VanHoven	Columbia Falls

REM PVT PR

Jon Albertson Plentywood

Airport Directory Changes

By: Redge Meierhenry
Aviation Support Officer

Billings — Delete LKO NDB. Delete all Billings FSS frequencies and add GTF remote frequency of 122.55.

Broadus — Add new FSS frequency remoted to GTF FSS. Frequency is 122.65.

Cut Bank — Pilot Controlled Lighting (PCL) frequency is now 122.8, changed from 123.6. Delete CTB FSS frequencies, telephone and change GTF FSS frequency to 122.2.

Lewistown — PCL is still on 123.6 but is due to be changed to CTAF frequency of 123.0. Airport lighting is fully PCL and is therefore no longer on until 2200 local time. Delete LWT FSS frequencies, telephone and add GTF FSS remote frequency of 122.2.

Livingston — Delete LVM FSS frequencies, telephone and add GTF FSS remote frequency of 122.2. LVM

weather available on 123.0 (unicom) by contract observer, 7 days, 6:00 am to 10:00 pm local time.

Miles City — Key 123.0 (CTAF) for MIRL Rwy 4/22 and Rwy 12/30. VASI Rwy 4/22 on continuously, REIL Rwy 30 and 4 on request through unicom 123.00. Delete all MLS FSS frequencies, telephone and add GTF remote frequency of 122.2. MLS weather available on 123.0 (unicom) by contract observer, 7 days, 24 hours a day.

Missoula — Delete MSO FSS frequencies, telephone and add GTF remote frequency of 122.45.

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